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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/044,306	- ···	10/26/2001	Lawrence J. Karr	50037.55US01	6816
27488	7590	03/18/2005		EXAM	INER
MICROS	OFT CO	ORPORATION	PHU, PHUONG M		
C/O MER	CHANT	& GOULD, L.L.C.			
P.O. BOX	2903		ART UNIT	PAPER NUMBER	
MINNEA	POLIS, I	MN 55402-0903	2631		
				DATE MAILED: 03/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		rok
	Application No.	Applicant(s)
	10/044,306	KARR, LAWRENCE J.
Office Action Summary	Examiner	Art Unit
	Phuong Phu	2631
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the (orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>26 O</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ⊠ Claim(s) <u>1-31</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-31</u> are subject to restriction and/or expressions.	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 10.	epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 	s have been received. s have been received in Applicat rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)	"□····	(070.440)
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 28-30, drawn to a communication system in which a receiving system provides a symbol synchronization-offset signal wherein the symbol synchronization offset is produced from a plurality of transmitted synchronization patterns, classified in class 374, subclass 357.
 - II. Claims 1-5, 11-15, 20-23 and 31, drawn to a transmitting system for generating and transmitting a signal comprising a plurality of synchronization patterns, classified in class 375, subclass 295.
 - III. Claims 6-10, 16-19 and 24-27, drawn to a receiving system for capturing and processing a plurality of transmitted synchronization patterns, classified in class 375, subclass 316.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I, II and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)).

In the instant case, the combination (Invention I) as claimed does not require the particulars of the subcombination (Invention II) as claimed because the Invention I does not require a procedure of encoding an information signal with a plurality of headers, each header comprising one of plurality of synchronization patterns (as claimed in claims 1, 11, 20); and/or

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the Invention I does not require a procedure of generating a plurality of synchronization patterns wherein each of the plurality of synchronization patterns differs by the other synchronization patterns by a multiple of 1/m of a symbol-time shift (as claimed in claims 2, 3, 12, 21). The subcombination has separate utility such as a computer readable medium and/or steps/devices of encoding information and transmitting encoded information, etc.

In the instant case, the combination (Invention I) as claimed does not require the particulars of the subcombination (Invention III) as claimed because the Invention I does not require a procedure of capturing a transmitted information signal comprising a plurality of synchronization patterns (as claimed in claims 6, 16 and 24), wherein each of m transmitted synchronization patterns may differ by the other synchronization patterns by a multiple of 1/m of a symbol-time shift (as claimed in claims 7, 17), The subcombination has separate utility such as steps/devices of capturing to receive an information signal with a plurality of symbol synchronization patterns, and/or generating substantially the same synchronization for each of m transmitted synchronization pattern such that a correlation peak is generated.

- 3. Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as, a computer-readable medium, steps/devices of generating a plurality of synchronization patterns, encoding information and transmitting encoded information signal, etc. See MPEP § 806.05(d).
- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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5. A telephone call was made to Attorney Bruce Garlick on 03/07/05 to request an oral

election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed (37 CFR

1.143).

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The

examiner can normally be reached on M-F (6:30-2:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuong Phu Primary Examiner Art Unit 2631

Phumphu PHUONG PHA PRIMARY EXAMI

Phuong Phu 03/11/05